

## **CLAIMS**

**1. (Currently Amended)** A method for enhancing a mouse cursor displayed on a computer display, the method comprising:

obtaining a current mouse cursor speed;

determining whether the current mouse cursor speed exceeds a predetermined threshold, and if so:

generating a mouse path between an actual current mouse cursor location and an actual previous mouse cursor location ~~locations~~;

determining at least one additional mouse cursor location ~~locations~~ on the generated mouse path ~~between the actual current and the actual previous mouse cursor locations on the generated mouse path~~, the number of additional ~~determined mouse cursor locations determined according to a non-linear progression of distances in relation to the current mouse speed along the generated mouse path~~; and

displaying, for each single frame and within each single frame, a mouse cursor image at each additional determined mouse cursor location on the generated mouse path, in addition to displaying a mouse cursor image at the actual current mouse cursor location and at the actual previous mouse cursor location ~~locations~~.

**2. (Previously Presented)** The method of Claim 1 wherein the mouse cursor image displayed at each additional determined mouse cursor location on the generated mouse path between the actual current and the actual previous mouse cursor locations is an enhanced mouse cursor image on the computer display.

**3. (Previously Presented)** The method of Claim 2 further comprising sizing the enhanced mouse cursor image as a function of the current mouse cursor speed.

**4-6. (Canceled)**

**7. (Previously Presented)** The method of Claim 2, wherein the at least one additional cursor location is distributed along the mouse path in a non-linear progression according to the mouse cursor speed.

**8. (Currently Amended)** A method for enhancing a mouse cursor displayed on a computer display comprising:

employing a processor executing computer executable instructions stored on a computer readable storage medium to implement the following acts:

obtaining a current mouse cursor speed;

determining whether the current mouse cursor speed exceeds a predetermined threshold, and if so:

generating a mouse path between an actual current mouse cursor location and an actual previous mouse cursor location ~~locations~~;

determining at least one additional mouse cursor location ~~locations~~ on the generated mouse path ~~between the actual current and the actual previous mouse cursor locations on the generated mouse path, wherein the number of additional determined mouse cursor locations is a function of non-linear progression of distances in relation to the current mouse speed along the generated mouse path~~; and

displaying, for each single frame and within each single frame, a mouse cursor image at each additional determined mouse cursor location on the generated mouse path, in addition to displaying a mouse cursor image at the actual current mouse cursor location and at the ~~[[an]]~~ actual previous mouse cursor location ~~locations~~.

**9. (Previously Presented)** The method of Claim 8 further comprising sizing the mouse cursor image according to the current mouse cursor speed.

**10. (Canceled)**

11. (Previously Presented) The method of Claim 8 further comprising generating a motion-blur effect for the mouse cursor according to the current mouse cursor speed along the generated mouse path.

12. (Canceled)

13. (Previously Presented) The method of Claim 8, wherein the at least one additional cursor location is distributed along the generated mouse path in a non-linear progression according to the mouse cursor speed.

14. (Currently Amended) A method for enhancing a mouse cursor displayed on a computer display, the method comprising:

obtaining mouse cursor information relating to the mouse cursor during the mouse cursor's update display cycle, the mouse cursor information including the mouse cursor's current speed;

generating a mouse path between an actual current location of the mouse cursor and an actual previous location of the mouse cursor;

determining at least one additional mouse cursor location ~~locations~~ on the generated mouse path ~~between the actual previous and the actual current mouse cursor locations on the generated mouse path~~, the number of additional determined mouse cursor locations determined as a function of non-linear progression of distances in relation to the current mouse speed along the generated mouse path; and

displaying for each single frame and within each single frame, a mouse cursor image at each additional determined mouse cursor location on the generated mouse path, in addition to displaying a mouse cursor image at the actual current mouse cursor location and at the actual previous mouse cursor location ~~locations~~.

15. (Canceled)

16. (Previously Presented) The method of Claim 14 further comprising sizing the mouse cursor image according to the mouse cursor's current speed.

17- 19. (Canceled)

20. (Previously Presented) The method of Claim 14, wherein the least one additional cursor location is located on the generated mouse path in a non-linear progression according to the mouse cursor's speed.

21. (Currently Amended) A method for enhancing a mouse cursor displayed on a computer display, the method comprising:

obtaining a current mouse cursor speed;

determining whether the current mouse cursor speed exceeds a predetermined threshold, and if so:

generating a mouse path between an actual current mouse cursor location and an actual previous mouse cursor location locations;

determining at least one additional mouse cursor location locations on the generated mouse path ~~between the actual current and the actual previous mouse cursor locations on the generated mouse path, the number of additional determined mouse cursor locations determined according to a non-linear progression of distances in relation to the current mouse speed along the generated mouse path, whereby the fewer number of mouse cursor images that are added, the greater the gap between the mouse cursor locations; and~~

displaying, for each single frame and within each single frame, a mouse cursor image at each additional determined mouse cursor location on the generated mouse path, in addition to displaying a mouse cursor image at the actual current mouse cursor location and at the actual previous mouse cursor location, locations; ~~and displaying wherein the mouse cursor image displayed at each additional determined mouse cursor location on the generated mouse path~~

between the actual current and the actual previous mouse cursor locations is an enhanced mouse cursor image on the computer display.